



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,237	01/21/2004	Kia Silverbrook	SMA05US	2187
24011 7590 12/03/2008 SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, 2041 AUSTRALIA			EXAMINER MARTIN, LAURA E	
			ART UNIT 2853	PAPER NUMBER
			MAIL DATE 12/03/2008	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

### Office Action Summary

**Application No.**

10/760,237

**Applicant(s)**

SILVERBROOK ET AL.

**Examiner**

LAURA E. MARTIN

**Art Unit**

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 November 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) 3-14 and 16-27 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2 and 15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/S508)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/3/08 has been entered.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 2, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Koike et al. (US 2002/0192003 A1) in view of Kupcho et al. (US 5670995 A) and Shirota et al. (US 5782967 A).

#### **Koike et al. disclose the following claim limitations:**

As per claim 1: a photofinishing system comprising a processor (figure 1, element 16), a printer (figure 2, element 46), means for feeding print media to the printer from a roll of the print media (figure 2, elements 62 and 63), and drier means (figure 2,

element 50) coupled to the printer; the processor being arranged to generate a drive signal that is representative of a photographic image (figure 1, element 42 and 44), the printer being coupled to the processor and being arranged to process the drive signal and effect printing of the photographic image on the print media [0109] – [0110]; and the drier means being arranged to receive printed media directly from the printer, to transport the printed media from the printer and, in use, to effect drying of the printed media during transportation of the media (figure 2) and [0082].

As per claim 2: the processor comprises a digital processor (digital is inherent in the definition of a printer processor) which is arranged to receive digitized data that is representative of a photographic image and to process the data in a manner to generate a printer drive signal that is representative of the photographic image [0109] – [0110], and the printer is arranged to process the drive signal and effect page-width printing of the photographic image on the print media as it is fed directly to the printer from the roll (figure 2, element 46 - printer is pagewidth).

As per claim 15: the drier means comprises: a) guide rollers for transporting the print media through the drier means (figure 2, elements 63, 76, and 78), and b) at least one blower arranged to direct drying air onto at least one face of print media as it is transported through the dryer means [0082].

**Koike et al. do not disclose the following claim limitations:**

As per claim 1: opposing printheads for printing on both faces of the print media such that there are images on both faces of the print media. It also does not disclose non-coated print media.

As per claim 15: more than one blower arranged to direct air onto two sides of the print media.

**Kupcho et al. disclose the following claim limitations:**

As per claim 1: opposing printheads for printing on both faces of the print media such that there are images on both faces of the print media (figure 3, elements 124a and 124b and column 3, lines 20-30).

As per claim 15: opposing printheads printing on opposite sides of the print media (figure 3, elements 124a and 124b). It would have been obvious to one having ordinary skill in the art that if the photofinishing system taught by Koike et al. were to be modified with the printhead structure taught by Kupcho et al., then the modified structure would have two blowing sections.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the photofinishing system taught by Koike et al. with the printhead assembly taught by Kupcho et al. in order to provide for quicker printing and to reduce the risk of printing errors due to smudging.

**Shirota et al. disclose the following claim limitations:**

As per claim 1: non-coated print media (column 1, lines 7-16).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the paper taught by Koike et al. with the uncoated print media taught by Shirota et al. as it is well known in the art to use different types of media in a printer. Non-coated paper can produce a high quality image. It is inexpensive and readily available.

***Response to Arguments***

Applicant's arguments with respect to claims 1, 2, and 15 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAURA E. MARTIN whose telephone number is (571)272-2160. The examiner can normally be reached on Monday - Friday, 7:00 - 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/L. E. M./  
Examiner, Art Unit 2853

/Manish S. Shah/  
Primary Examiner, Art Unit 2853